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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****RECEIVED  
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SEP 20 2004**

IN RE THE APPLICATION OF

Radhakrishnan Kadengal

SERIAL NO. 09/745,889

FILED: 21 December 2000

FOR: Method and Apparatus for the Measurement  
of Erbium Optical Amplifiers

) Examiner: Jesse N Alexander

) Group Art Unit No. 2666

I hereby certify that this correspondence is being deposited  
with the United States Postal Service as first class mail in an  
envelope addressed to "Commissioner for Patents, P.O. Box  
1450, Alexandria, VA 22313-1450," on September 20,  
2004. Name of person signing Brenda F. Harris  
Signature: Brenda F. Harris

**RESPONSE TO OFFICE ACTION OF 18 JUNE 2004**

Honorable Director of Patents and Trademarks  
P O Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action of 18 June 2004, it is requested that the application be  
amended as follows:

**In The Specification:****Page 1, line 27 - page 2, line 10:**

In accordance with a first aspect of the invention there is provided a method of managing  
resources in a switched network comprising the steps of assigning a respective willingness to  
pay (WtP) value to each of a plurality of network users, assigning respective set point values  
for a network performance parameter for each of a plurality of routers in the network,  
assigning a respective initial price value to each router which is associated with the network  
performance parameter at the router, and operating a first control loop which is operable to

receive respective measures of the actual network performance at each of the routers, calculate for each router, a plurality of difference values which are the respective differences between the actual performance and the set point for each router, adjust the price value for each router by a factor based on the respective difference value, generate a flow price value for each value for each user by summing the price values for each of the routers in the path of the respective user's desire data flow through the network, allocate a resource share value for each user which represents the value of the respective WtP value divided by the respective flow price value, and cause the ingress router for each to restrict flow into the network ingress from each user in accordance with each user's allocated resource share value, whereby the actual network performance at each router is made to converge to the set point value for the respective router by automatic admission control adjustments at the network ingress routers.